**Date:** **June 7, 2016**

**Request for Qualification:** **Design/Build for Climbing/Rappelling Tower**

**Project Name:** **Forest Ridge Park- Climbing/Rappelling Tower**

**Location:** **2100 Old North Carolina 98 Hwy, Raleigh, NC 27587**

**SIGNIFICANT DATES:**

| | |
|---|---|
| Advertise Request for Qualifications | 16 June 2016 |
| Non-mandatory- Pre-Qualification Site Visit | 30 June 9AM |
| Site available for visit | 05 July and 06 July 9AM-1PM |
| Questions from Vendor concludes | 08 July 1PM |
| Responses by the City due date | 13 July |
| Qualifications due | 20 July at 2PM |
| Notification to selected firm | Aug |
| Estimated start date | September/October 2016 |

**PROJECT POINT OF CONTACT AND SUBMITTAL:**

**Project Manager: James Marapoti**
Email: james.marapoti@raleighnc.gov
Phone: 919 996 4777

**Submittals:**
6th Floor Raleigh Municipal Building (reception window in front of elevator)
Design Development Division
Attn: **James Marapoti Project Manager**
222 West Hargett Street, Room 608
Raleigh, NC 27601

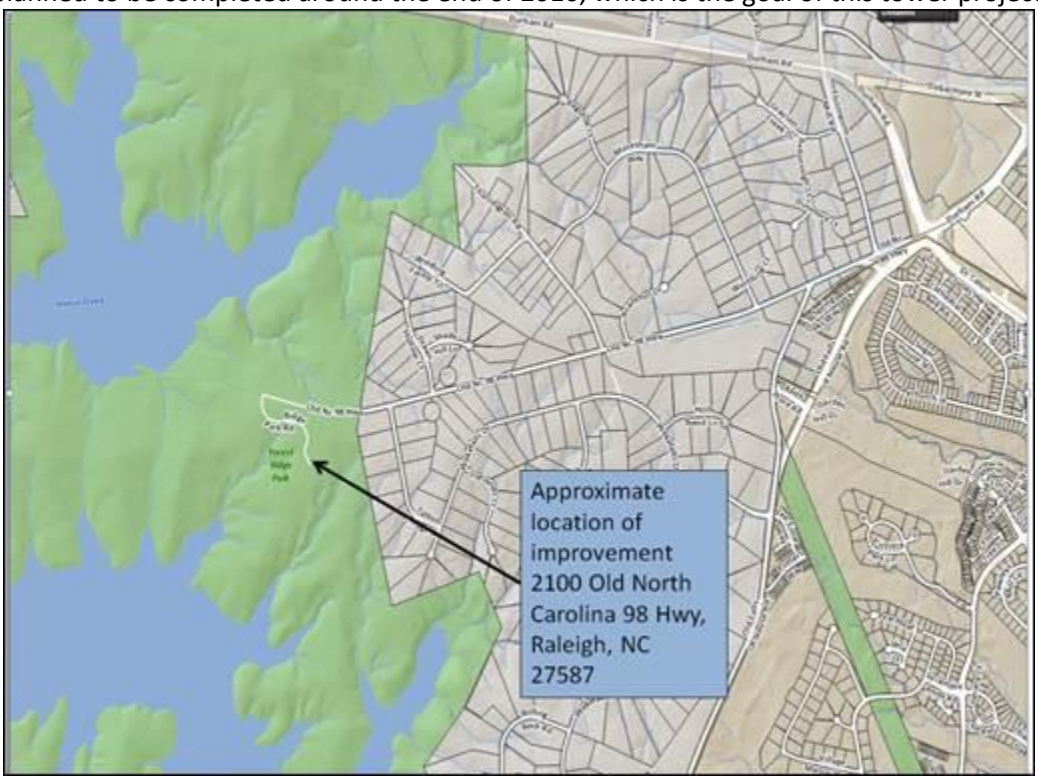
**1. BACKGROUND and Scope:**

**City of Raleigh Department Parks Recreation and Cultural Resources (PRCR) invites firms to submit design/build qualifications for the design, construction and implementation of a turn-key climbing and rappelling tower for Forest Ridge Park. The purpose of this structure is to enable individuals or groups to positively impact their personal and professional lives through experiential learning. The primary goals are to:**

- **Directly engage individuals with experiential learning in an outdoor learning experience.**
- **Serve as a creative tool to enhance teambuilding, leadership, communication, trust and conflict resolution.**
- **Serve as a sustainable revenue generator.**

a. Park Location and Current status:

Forest Ridge Park is a 600-acre natural park located in northeast Raleigh on Falls Lake between Neuse River and Old Hwy 98; this park is currently under construction. The current construction includes: a welcome center, picnic shelters, parking lots and walking trails. Construction is planned to be completed around the end of 2016, which is the goal of this tower project.




b. General Usage and Staffing:

1. The intent of this structure is to serve a diverse range of user groups or individuals in the community.
2. Proposal should include a high degree of flexibility and adaptability for future expansion.
3. The course should be able to handle (groups between 8-20) or single individuals at the same time with a variety of physical abilities and challenges.
4. Tower should be designed to accommodate lifting patrons to the top of the tower.
5. Participants can be as young as 12 years old.
6. Part-time or full-time professional staff will facilitate training, supervise course patrons and maintain structure.

**2. PROJECT SCOPE:**

The scope of design shall include, at a minimum, plans/elevations, details and specifications (including Association for Challenge Course Technology (ACCT) standards) to construct this tower structure.

**1. Design Concept:**

a. Provide a multi-sided tower with climbing surfaces, minimum of 3 sides and all associated site drawings to support concept. Access is controlled via secure access point at base of tower.
b. Face 1: Multi-leveled duel rappel course with 3 stations: Station #1: 10-15ft high with low angle/sloped surface, Station #2: 20-25ft high with vertical surface, Station #3: from the full height of the tower with vertical face before reaching an overhang (rappel without contact of tower surface).
c. Face 2: Climbing face beginner: Should be vertical (free of overhangs and bulges).
d. Face 3: Climbing face intermediate to advance: Should vary surfaces to include overhangs, bulges and other features).
e. Face other: Other BMP's designs recommended.
f. Climbing routes should be designed for multiple types belay set ups, per route, including (Slingshot Top Roping {example belay bar or eye bolts} as well as anchors that accommodate auto belays) to provide the greatest flexibility for tower management and meeting group needs.
g. Require roofing/permeant shade structure on top of tower overhanging a minimum of 6ft. beyond footprint of tower on all sides.
h. Provide double zip from top of tower into open field and zip line options from other faces of tower.
i. All elements must be able to be secured to prevent unwanted access.